



DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD
2461 EISENHOWER AVENUE
ALEXANDRIA VIRGINIA A 22331-0600



DDESB-IK

03 MAR 2004

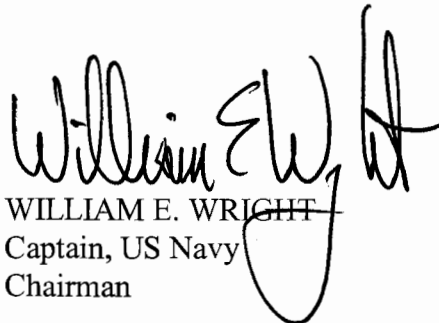
MEMORANDUM FOR ARMY BOARD MEMBER, MR. JAMES C. KING
NAVY BOARD MEMBER, CAPT KEMP SKUDIN
AIR FORCE BOARD MEMBER, COLONEL BARRY OLSON
MARINE CORPS BOARD MEMBER, MR. JERRY MAZZA

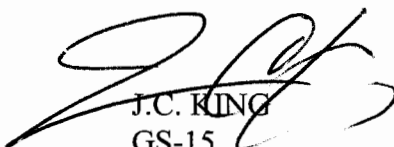
SUBJECT: 326th Meeting of the Department of Defense Explosives Safety Board

The Department of Defense Explosives Safety Board (DDESB) held its 326th meeting on 3 March 2004 and took the following actions:

- a. The Board approved the Navy proposed changes to DoD 6055.9-STD as modified during the meeting to better define, limit and control roll-on or roll-off (RORO) operations. The approved changes are attached.
- b. The Board approved the Air Force proposed changes to DoD 6055.9-STD as modified during the meeting to clarify conveyance, such as International Standardization Organization (ISO) container, loading and unloading at magazines. The approved changes are attached.

The next formal Board meeting will be scheduled at a later date.


WILLIAM E. WRIGHT
Captain, US Navy
Chairman


J.C. KING
GS-15
Army Member


KEMP SKUDIN
Captain, USN
Navy Member



BARRY OLSON
Colonel, USAF
Air Force Member



JERRY MAZZA
GS-15
Marine Corps Member

Attachments
As stated

cc:

Alternate Army Board Member, Colonel Donald Coe
Alternate Navy Board Member, Mr. Richard Eldridge
Alternate Air Force Board Member, Mr. Eric Olson
Alternate Marine Corps Board Member, Mr. Thierry Chiapello
JCS (J-4-SMPED)
DTRA (Cdr. Gatski)
DCMA (DCMA-O)
TRANSCOM (TCJ4-LT)
DA, Director of Safety (Mr. J. Gibson)
Director, USADAC, (Mr. J. Wheeler)
NOSSA/N711 (Mr. Richard T. Adams)

Title: Criteria Change for Roll-On or Roll-off (RORO) Operations

NEWLY APPROVED TEXT
(changes in italics)

New C9.6.2.1.2.3:

C9.6.2.1.2.3. Roll-on or roll-off AE operations involving ships where the requirements of C9.8.12 are met.

Revised C9.8.12.1:

C9.8.12.1. Roll-on or roll-off (*RORO*) operations (not involving lifting), *which meet the following requirements:*

C9.8.12.1.1. The total NEWQD present shall not exceed 50,000 lbs.

C9.8.12.1.2. All AE present (e.g., in trailers, railcars, barges, ships, etc.) must be associated only with the RORO operation being conducted.

C9.8.12.1.3. RORO operations shall not exceed 24 hours following arrival of AE, including AE staged at a transshipment point.

C9.8.12.1.4. RORO operations shall be located as remote as practicable from populated areas, in order to minimize exposure of unrelated personnel.

Revise Chapter 10 as follows

C10.x.x.x.x. *Roll-on or roll-off Operations. A documented risk assessment, (e.g., Safety Assessment for Explosives Risk (SAFER)), must be used when the criteria of Chapter 9 cannot be met. The risk assessments, performed and accepted in accordance with Service criteria, must consider explosive effects, explosives limits, site location, operation scheduling, potential secondary hazards (e.g., fuel tanks, chemical), and surrounding personnel and exposures. Risk reduction or mitigation measures, identified from the risk assessment, must be incorporated into procedures for the roll-on or roll-off operation.*

New Definition in Glossary:

Roll-on or Roll-off (RORO) Operation. *An operation that involves the movement, without lifting, of AE-laden semi-trailers, railcars, or similar wheeled conveyances into or from a transporter (e.g., a barge, a ship, a railcar or aircraft), such that the conveyances remain in a transportation mode through a transshipment point.*

New Acronym in Abbreviations and Acronyms:

RORO Roll-on or Roll-off

Title: Changes to ISO Container Stuffing and Unstuffing Criteria

NEWLY APPROVED TEXT
(changes in italics)

1. Revise C9.6.4.4 as indicated below:

C9.6.4.4. As a PES, ships must be separated from AE operating facilities by either the barricaded IMD (K6 [2.38]) or unbarricaded IMD (K11 [4.36]) of C9.T5, as applicable. *An exception (see C9.4.1.1.2.1.10) is permitted when the ES is a container stuffing and unstuffing operation that routinely supports AE ship-loading and unloading operations. (Note: QD requirements of C9.6.4.3 shall apply from such container stuffing and unstuffing operations (as a PES) to an AE ship (as an ES.)*

2. New C9.8.20:

C9.8.20. **Conveyance loading and unloading at a Magazine.** *A conveyance (e.g., truck, trailer, railcar, ISO or MILVAN container) loading and unloading operation is permitted at a magazine without regard to QD between the magazine and the operation. "At a magazine" means loading and unloading operations at a loading dock attached to the magazine, or on the pad/apron in front of the magazine, or within the established boundaries of an aboveground magazine. Detached ramps or loading docks that normally service multiple facilities will be sited in accordance with C9.8.8.*